AMENDMENTS TO SPECIFICATION

At **page 30, line 1**, please amend the two paragraphs beginning thereon as follows:

Fig. 26 is a block diagram depicting an asynchronous transaction object management system according to an embodiment of the present invention; ~~and~~

Fig. 27 is a block diagram depicting an asynchronous transaction object management system for an operating system according to an embodiment of the present ~~invention.~~ invention;

After **page 30, line 5**, please add the following paragraphs:

Fig. 28 is a block diagram of a computer system which may be used to implement an embodiment of the present invention; and

Fig. 29 depicts a p-chart according to an embodiment of the present invention.

At **page 125, line 8**, please amend the paragraph beginning thereon as follows:

The reflective DAI agents discussed previously collect the data and the active simulation analyzes the data. However, for a simulation to be useful without human review of the simulation output data, there must be a set of normalized expected values. Further, in active simulation the expected value must become increasingly accurate and account for common and assignable cause variations. For example, in statistical process control the expected values exist between the inclusive lower and upper bounds – where bounds are formally called limits in statistical theory [121]. The method employed in collecting statistical data points beyond the lower and upper bounds compels the use of a *p-chart* approach to analyzing the data because the daily sample may be above ten and will be a variable sample size as shown in Chart [[1]] 2901 (see FIG. 29) [121].

Before **page 126, line 2**, please delete the entire preceding section.